

AMENDMENTS TO THE SPECIFICATION:

Please delete the word "Specification" at page 1, line 1.

Please add the following centered heading at page 1, line 5:

TECHNICAL FIELD

Please add the following centered heading at page 1, line 7:

BACKGROUND

Please add the following centered heading at page 1, line 16:

SUMMARY

Please add the following centered heading at page 4, line 9:

DESCRIPTION OF THE DRAWINGS

Please add the following centered heading at page 4, line 13:

DETAILED DESCRIPTION

Please replace the Abstract on page 12 with the following new Abstract:

A transistor includes an emitter, a collector, and a base layer having a base contact. The base layer includes an intrinsic region between the emitter and the collector, an extrinsic region between the intrinsic region and the base contact, and a first doping layer

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Page : 3

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that is doped with a trivalent substance, that extends into the extrinsic region, and that is counter-doped with a pentavalent substance in a region adjacent to the emitter.

Please delete the phrase "Figure 1" at page 12, line 15.